

## Faculty Members' Research (2021-2024)

#	Faculty Members/Authors	Title	Journal/Conference	Year
1	Amani Samha	Strategies for efficient resource management in federated cloud environments supporting Infrastructure as a Service (IaaS)	Journal of Engineering Research	2024
2	Amani Samha	Enhancing earth observation security through optimized routing in wireless sensor networks	Earth Science Informatics	2024
3	Amani Samha, et al.	AI-Assisted Enhanced Composite Metric-Based Intrusion Detection System for Secured Cyber Internet Security for Next-Generation Wireless Networks	International Journal of Cooperative Information Systems	2024
4	Amani Samha, et al.	Privacy-Preserving Wireless Sensor Networks for E-Healthcare Applications	International Journal of Cooperative Information Systems	2024
5	Amer Aljarallah, et al.	Factors Affecting Big Data Analytics Adoption in Small and Medium Enterprises	Information Systems Frontiers	2024
6	Mohammed Alojail	UTAUT Model for Digital Mental Health Interventions: Factors Influencing User Adoption.	(IJACSA) International Journal of Advanced Computer Science and Applications	2024
7	Mohammed Alojail and Sahar Alshathry	Evaluating Post-Pandemic Undergraduate Student Satisfaction with Online Learning in Saudi Arabia: The Significance of Self-Directed Learning	Applied Sciences	2024
8	Mohammed Alojail, et al.	Cutting-Edge Amalgamation of Web 3.0 and Hybrid Chaotic Blockchain Authentication for Healthcare 4.0	Mathematics	2024
9	Mohammed Alojail, et al.	Explainable lung cancer classification with ensemble transfer learning of VGG16, Resnet50 and InceptionV3 using grad-cam	BMC medical	2024
10	Mohammed Alojail, et al.	A Blockchain-Enabled Framework to Implement Supply Chains in Digital Land Registry in the Kingdom of Saudi Arabia	Security Practices Using Blockchain, Quantum	2024
11	Mohammed Alojail, et al.	Exploring Topic Coherence with PCC-LDA and BERT for Contextual Word Generation	IEEE Access	2024
12	Monira Aloud, et al.	The effects of knowledge management processes on service sector performance: evidence from Saudi Arabia	Humanities and Social Sciences Communications	2024
13	Monira Aloud, et al.	Female digital entrepreneurship: a structured literature review	International Journal of Entrepreneurial Behavior & Research	2024
14	Moteeb Almoteri, et al.	An enhanced drought forecasting in coastal arid regions using deep learning approach with evaporation index	Environmental Research	2024
15	Moteeb Almoteri, Mohammed Alojail, et al.	Enhancing accessibility for improved diagnosis with modified EfficientNetV2-S and cyclic learning rate strategy in women with disabilities and breast cancer	Frontiers in Medicine	2024
16	Muna Alhammad, et al.	Teachers' Perceptions of Students' Use of Generative AI in Summative Assessments at Higher Education Institutions: An Exploratory Study	UK Academy for Information Systems	2024
17	Saeed Alzahrani et al.	Exploring Healthcare Entrepreneurship Ecosystem to Foster Solutions for Underserved Communities	IEEE Transactions on Engineering Management	2024
18	Saeed Alzahrani et al.	Technology Assessment: Energy Storage Technologies	Book Chapter in: Future-Oriented Technology Assessment: A Manager's Guide with Case Applications. IEEE-Wiley	2024
19	Saeed Alzahrani et al.	Navigating the Clouds: An Exploratory Research of Cloud Computing Adoption in Saudi Arabia's Small and Medium Enterprises	Engineering, Technology & Applied Science Research	2024
20	Saeed Alzahrani, Deemah Alassaf et al.	Fintech and Entrepreneurship: An Assessment Model to Evaluate Policy Instruments for Fintech Adoption by Small and Medium Enterprises (SMEs)	IEEE Transactions on Engineering Management	2024

21	Saeed Alzahrani, et al.	Exploring innovation ecosystems to facilitate the adoption of sustainable entrepreneurship: Looking beyond the Western World	Journal of Small Business Management	2024
22	Saeed Alzahrani, et al.	Organizational Readiness Assessment for Fraud Detection and Prevention: Case of Airlines Sector and Electronic Payment	Sustainability	2024
23	Saja Aldera, et al.	Digital Transformation of the Real Estate Rental Market in Saudi Arabia: User Acceptance of the Ejar Platform	The Journal of Applied Science University	2024
24	Zahyah Alharbi, et al.	Identifying the Barriers to Acceptance of Blockchain-Based Patient-Centric Data Management Systems in Healthcare	Healthcare	2024
25	Zahyah Alharbi, et al.	Exploring the Impact of Shifting ERP Systems to the Cloud	International Journal of Computing	2024
26	Zahyah Alharbi, et al.	Blockchain-powered grids: Paving the way for a sustainable and efficient future	Heliyon	2024
27	Zahyah Alharbi, et al.	Trust: How It Affects the Use of Telemedicine in Improving Access to Assistive Technology to Enhance Healthcare Services	Taylor & Francis, Risk Management and Healthcare Policy	2024
28	Zahyah Alharbi, et al.	Cracking the Code: A Comprehensive Analysis of Information Security Strategies Among Professionals	Journal of Organizational and End User Computing	2024
29	Amani Samha, et al.	Intrusion detection system using hybrid convolutional neural network	Mobile Networks and Applications	2023
30	Amani Samha, et al.	Content-Based Audio Classification and Retrieving Using Modified Bacterial Foraging Optimization Algorithm	Computational Intelligence and Neuroscience	2023
31	Ibrahim Almatrodi	Organisational politics and enterprise resources planning implementation: an examination of the influence of political skills	International Journal of Business Information Systems	2023
32	Ibrahim Almatrodi, et al.	Organizational routines and digital transformation: An analysis of how organizational routines impact digital transformation transition in a Saudi university	Systems	2023
33	Ibrahim Almatrodi, et al.	Role of Chinese Outward FDI in industrialization: Does Trade matters for African countries?	INTERNATIONAL JOURNAL OF HUMAN AND SOCIETY	2023
34	Ibrahim Almatrodi, Mohammed Alojail, et al.	Organizational resistance to automation success: how status quo bias influences organizational resistance to an automated workflow system in a public organization	Systems	2023
35	Mohammed Alojail and Moteeb Almoteri	Factors influencing the Supply Chain Management in e-Health using UTAUT model.	Electronic Research Archive	2023
36	Mohammed Alojail, et al.	An Informed Decision Support Framework from a Strategic Perspective in the Health Sector	Information	2023
37	Mohammed Alojail, et al.	Critical Success Factors and Challenges in Adopting Digital Transformation in the Saudi Ministry of Education	Sustainability	2023
38	Mohammed Alojail, et al.	Impact of digital transformation toward sustainable development	Sustainability	2023
39	Mohammed Alojail, Moteeb Almoteri, et al.	Machine Learning-Driven Ubiquitous Mobile Edge Computing as a Solution to Network Challenges in Next-Generation IoT.	Systems Multidisciplinary Digital Publishing Institute	2023
40	Mohammed Alojail, Moteeb Almoteri, et al.	Economic Growth Forecast Model Urban Supply Chain Logistics Distribution Path Decision Using An Improved Genetic Algorithm	Malaysian Journal of Computer Science	2023
41	Monira Aloud	Bitcoin Algorithm Trading using Genetic Programming	International Journal of Computer Science & Network Security	2023
42	Monira Aloud, et al.	Investigating behavior intention toward s-commerce adoption by small businesses in Saudi Arabia	International Journal of E-Business Research (IJEER)	2023
43	Moteeb Almoteri, et al.	An Efficient Technique to Prevent Data Misuse with Matrix Cipher Encryption Algorithms.	Computers, Materials & Continua	2023

44	Moteeb Almoteri, Mohammed Alojail, et al.	Managing Uncertainties in Supply Chains for Enhanced E-Commerce Engagement: A Generation Z Perspective on Retail Shopping through Facebook	Sustainability	2023
45	Moteeb Almoteri, Mohammed Alojail, et al.	Advancing Disability Management in Information Systems: A Novel Approach through Bidirectional Federated Learning-Based Gradient Optimization	Mathematics	2023
46	Muna Alhammad, et al.	Applying the UTAUT2 model to determine factors impacting the adoption of Microsoft Teams as an online collaborative learning tool	International Journal of Smart Technology and Learning	2023
47	Nora Alkhamees, et al.	DefBDet: An Intelligent Default Borrowers Detection Model	International Journal of Advanced Computer Science and Applications	2023
48	Nora Almezeini, et al.	Customer Satisfaction Toward Commercial E-Services in Saudi Arabia: A Sentiment Analysis	Conference, 2023 International Symposium on Networks, Computers and Communications (ISNCC), IEEE	2023
49	Saeed Alzahrani, et al.	Development of a Maturity Model for Software Quality Assurance Practices	Systems	2023
50	Saeed Alzahrani, et al.	The Use of Social Media Platforms for Competitive Information and Knowledge Sharing and Its Effect on SMEs' Profitability and Growth through Innovation	Sustainability	2023
51	Saeed Alzahrani, et al.	Assessment of The Healthcare Providers' Acceptance of Telemedicine: Case of Endocrinology Teleclinics	2023 IEEE International Conference on Technology Management, Operations and Decisions (ICTMOD)	2023
52	Zahyah Alharbi	A Sustainable Price Prediction Model for Airbnb Listings Using Machine Learning and Sentiment Analysis	Sustainability	2023
53	Zahyah Alharbi, et al.	The impact of web analytics tools on the performance of small and medium enterprises	Engineering, Technology & Applied Science Research	2023
54	Zahyah Alharbi, et al.	Factors Affecting Customer Satisfaction with The Telecommunication Industry in Saudi Arabia.	TEM Journal	2023
55	Amani Samha, et al.	An efficient intrusion detection framework in software-defined networking for cybersecurity applications	CMC-Comput. Mater. Contin	2022
56	Amani Samha, et al.	The influencing factors of digital health passport adoption and acceptance during COVID-19 in Saudi Arabia	DIGITAL HEALTH	2022
57	Amani Samha, et al.	Learning trends in customer churn with rule-based and kernel methods	International Journal of Electrical and Computer Engineering (IJECE)	2022
58	Amani Samha, et al.	Three-dimensional video super-resolution reconstruction scheme based on histogram matching and recursive Bayesian algorithms	IEEE Access	2022
59	Amani Samha, et al.	Mobility prediction of mobile wireless nodes	Applied Sciences	2022
60	Fahim Akhter, et al.	Examining consumers' adoption of smart wearable payments	Sage Open	2022
61	Fahim Akhter, et al.	Determining the factors of m-wallets adoption. A twofold SEM-ANN approach	PloS one	2022
62	FL Alotaibi, Muna Alhammad	Using a rule-based model to detect arabic fake news propagation during Covid-19	International Journal of Advanced Computer Science	2022
63	Mohammed Alojail	Company user information protection of e-Commerce platform based on a credit assessment system	Annals of Operations Research	2022
64	Mohammed Alojail, et al.	Towards Secure IoT-Based Payments by Extension of Payment Card Industry Data Security Standard (PCI DSS)	Wireless Communication and Mobile Computing	2022
65	Mohammed Alojail, et al.	An efficient modular framework for automatic LIONC classification of MedIMG using unified medical language	Frontiers in Public Health	2022

66	Mohammed Alojail, et al.	An Improved Method for Extractive Based Opinion Summarization Using Opinion Mining.	Computer Systems Science & Engineering, Tech Science Service	2022
67	Moteeb Almoteri, et al.	Privacy-Preserving Techniques in Social Distancing Applications: A Comprehensive Survey	Journal of Advanced Computational Intelligence and Intelligent Informatics	2022
68	Moteeb Almoteri, et al.	Multinomial naive bayesian classifier framework for systematic analysis of smart iot devices	Sensors	2022
69	Muna Alhammad	Why do Women Volunteer More than Men? Gender and its Role in Voluntary Citizen Reporting Applications Usage and Adoption	International Journal of Advanced Computer Science and Applications	2022
70	Muna Alhammad, et al.	What impacts backers' behavior to fund reward-based crowdfunding projects? A systematic review study	Pacific Asia Journal of the Association for Information Systems	2022
71	Muna Alhammad, et al.	Online collaborative learning using microsoft teams in higher education amid COVID-19	International Journal of Mobile and Blended Learning (IJMBL)	2022
72	Muna Alhammad, et al.	Achieving Sustainability through the Circular Economy in the Space Sector	UK Academy For Information Systems	2022
73	Muna Alhammad, et al.	Examining the Space Value Chain through the lens of the Circular Economy	ESA Conference Bureau/ATPI Corporate Events	2022
74	Nora Almezeini, et al.	Artificial intelligence applications in the auditing profession: A literature review	Journal of Emerging Technologies in Accounting	2022
75	Saeed Alzahrani, et al.	Assessment of the Blockchain Technology Adoption for the Management of the Electronic Health Record Systems	IEEE Transactions on Engineering Management	2022
76	Saeed Alzahrani, et al.	Assessing the Key Factors Impacting the Customers Adoption of the Electronic Banks in Saudi Arabia	2022 IEEE Technology and Engineering Management Conference (TEMSCON EUROPE)	2022
77	Zahyah Alharbi, et al.	Exploring Areas of Improvement in IT Innovation Management in the Saudi Healthcare sector: Using COBIT 2019.	SAR Journal	2022
78	Zahyah Alharbi, et al.	Sentiment analysis to explore user perception of teleworking in Saudi Arabia	International Journal of Advanced Computer Science and Applications	2022
79	Zahyah Alharbi, et al.	The Effectiveness of Wearable Devices on the Users' Health: The Case of Saudi Arabia	SAR- Journal of Association for Information Communication Technology Education and Science	2022
80	Zahyah Alharbi, et al.	Sentiment analysis of opinions over time toward Saudi women's sports	International Conference on Multimedia Technology and Enhanced Learning	2022
81	Zahyah Alharbi, et al.	Quantitative Evaluation of Saudi E-government Websites Using a Web Structure Mining Methodology	International Conference on Intelligent Edge Processing in the IoT era	2022
82	Zahyah Alharbi, Muna Alhammad, et al.	Analysis of logistics service quality and customer satisfaction during covid-19 pandemic in saudi arabia	International Journal of Advanced Computer Science and Applications	2022
83	Amani Samha, et al.	Impact of dataset size on classification performance: an empirical evaluation in the medical domain	Applied Sciences	2021
84	Amani Samha, et al.	Applied Internet of Things in Saudi Arabia Aquaculture System	2021 10th IEEE International Conference on Communication Systems and Network Technologies (CSNT), IEEE	2021
85	Amer Aljarallah, et al.	A dual-stage SEM-ANN analysis to explore consumer adoption of smart wearable healthcare devices	Journal of Global Information Management (JGIM)	2021

86	Fahim Akhter, et al.	A dual-stage SEM-ANN analysis to explore consumer adoption of smart wearable healthcare devices	Journal of Global Information Management (JGIM)	2021
87	Ibrahim Almatrodi	Realising what's missing: how does the sense of organisational belonging influence the success of enterprise resources planning implementation?	International Journal of Business Information Systems	2021
88	Ibrahim Almatrodi	Organisational politics and enterprise resources planning implementation: an examination of the influence of political skills	International Journal of Business Information Systems	2021
89	Ibrahim Almatrodi	ICT and creativity: How ICT impacts creativity in a Saudi University	European, Mediterranean, and Middle Eastern Conference on Information Systems, Springer International Publishing	2021
90	Muna Alhammad, L Hajar, S Alshathry, M Alqasabi	Motivational factors impacting the use of citizen reporting applications in Saudi Arabia: The case of Balagh application	International Journal of Advanced Computer Science and Applications Science and Information (SAI) Organization Limited	2021
91	Monira Aloud	Designing strategies for autonomous stock trading agents using a random forest approach	International Journal of Advanced Computer Science and Applications	2021
92	Monira Aloud	A real-time adaptive bitcoin trading system using genetic programming	Journal of Theoretical and Applied Information Technology	2021
93	Monira Aloud and Nora Alkamees	Intelligent algorithmic trading strategy using reinforcement learning and directional change	IEEE Access	2021
94	Monira Aloud and Nora Alkamees	Dcrl: Approach for pattern recognition in price time series using directional change and reinforcement learning	International Journal of Advanced Computer Science and Applications	2021
95	Monira Aloud, et al.	Factors affecting user adoption of e-payment services available in mobile wallets in Saudi Arabia	International Journal of Computer Science & Network Security	2021
96	Monira Aloud, et al.	Factors influencing the adoption of mHealth services in Saudi Arabia: a patient-centered study	Publisher, International Journal of Computer ScienceNetwork Security	2021
97	Monira Aloud, et al.	Mobile payments from merchants' perspective: an empirical study using the TAM model in Saudi Arabia	International Journal of Computer Science & Network Security	2021
98	Monira Aloud, et al.	Trust factors influencing the intention of Saudi consumers to purchase online	International Journal of Business and Systems Research	2021
99	Monira Aloud, et al.	Araprodmach: A machine learning approach for product matching in e-commerce	International Journal of Computer Science & Network Security	2021
100	Moteeb Almoteri, et al.	Understanding and Predicting Students' Entrepreneurial Intention through Business Simulation Games: A Perspective of COVID-19	Sustainability	2021
101	Moteeb Almoteri, et al.	A Novel Privacy-Preserving Scheme in IoT-Based Social Distancing Technologies	2nd International Conference on Machine Learning Techniques and Data Science (MLDS)	2021
102	Moteeb Almoteri, et al.	Factors influencing the intention behind mobile wallet adoption: Perceptions of university students	Entrepreneurship and Sustainability Issues	2021
103	Muna Alhammad, et al.	An Exploratory Study of Creating Persuasive and Effective Blurbs in Reward-Based Crowdfunding (RBCF)	UK Academy for Information Systems Conference Proceedings	2021
104	Muna Alhammad, et al.	What drives Airbnb customers' satisfaction in Amsterdam? A sentiment analysis	International Journal of Advanced Computer Science and Applications Science and Information (SAI) Organization Limited	2021

105	Muna Alhammad, et al.	Exploring the impact of persuasive features on customer satisfaction levels of e-commerce websites based on the kano model	International Conference on Persuasive Technology	2021
106	Muna Alhammad, et al.	Review of crowdfunding regulations across countries: a systematic review study	Journal of Information Systems Engineering and Management	2021
107	Nora Almezeini, et al.	Factors Influencing Students' Acceptance of e-Learning Platforms in Primary and Secondary Schools in Saudi Arabia.	International Association for Development of the Information Society	2021
108	Saeed Alzahrani, et al.	Technology Adoption: Case of Cryptocurrency	Book Chapter: Recent Developments in Individual and Organizational Adoption of ICTs	2021
109	Saja Aldera, et al.	Online extremism detection in textual content: a systematic literature review	IEEE Access	2021
110	Saja Aldera, et al.	Exploratory data analysis and classification of a new arabic online extremism dataset	IEEE Access	2021